

LODIN, Z.; PILNY, J.; HARTMAN, J.

A universal cytophotometer. Construction of apparatus. Physiol.  
bohemoslov. 12 no.2:161-166 '63.

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague.  
(PHOTOMETRY) (EQUIPMENT AND SUPPLIES) (CYTOLOGY)  
(SPECTROPHOTOMETRY) (MICROSCOPY) (BIOCHEMISTRY)

CZECHOSLOVAKIA

CHAUBAL, K.A.; HARTMAN, J.; MOLECKOVA, E.; LODIN, Z.; Institute of Physiology, Czechoslovak Academy of Sciences (Fysiologicky ustav CSAV), Prague.

"Morphologic and Cytochemical Changes During Adaptation of Animal Cells to Cold."

Prague, Ceskoslovenska Fysiologie, Vol 14, No 5, Oct 1965; p 350.

Abstract: Study of cold adaptation in hen fibroblasts and HeLa cells revealed that cold adaptation is accompanied by decrease in total dry weight of both cytoplasm and nucleus. Paper presented at the 15th Physiology Days, Olomouc, 27 May 65.

1/1

- 73 -

*HARTMAN, S.*

Hartman, S., and Mańczewski, B. On the convergence in measure. Acta Sci. Math. Szeged 12, Lápoliti Pfejér et Frederico Riesz LXX annos natis dedicatae, Pars A, 125-131 (1950).

Let  $(X, M, \mu)$  be a probability space and, for every point  $a = (a_1, \dots, a_k)$  in the  $k$ -space  $R^k$ , let  $L_a$  be the set of all points  $(x_1, \dots, x_k)$  in  $R^k$  with  $x_i < a_i$ ,  $i=1, \dots, k$ . It is well known that the statement A: "A sequence  $f_n$  of  $M$ -measurable functions defined on  $X$  and taking values in  $R^k$  is convergent in  $\mu$ -measure to a function  $f'$ " implies the statement B: "The distribution function of  $f_n$  converges to the distribution function  $F$  of  $f'$  at each continuity point  $a$  of  $F$ ." In this paper the stronger result is obtained that statement A is equivalent with the following statement C: "The  $\mu$ -measure of the symmetric difference of  $f_n^{-1}(L_a)$  and  $f^{-1}(L_a)$  converges to 0 at each continuity point  $a$  of  $F$ ." In fact, generalizations of this result to functions taking values in a metric space  $Y$  are obtained, and the following conclusions are derived: (a) The independence of the  $n$ th terms ( $n=1, 2, \dots$ ) of two sequences of such functions implies the independence of their limits in measure; (b) if  $Y$  is of the power of the continuum, the limit in measure of a sequence of functions containing independent pairs of elements with arbitrarily large subscripts is constant almost everywhere.

H. M. Schaef (St. Louis, Mo.).

Source: Mathematical Reviews.

Vol 12, No. 3

HARTMAN, S.

Hartman, S., Marczewski, E., et Ryll-Nardzewski, C.  
Théorèmes ergodiques et leurs applications. Colloquium  
Math. 2, 109-123 (1951).

Exposition of recent results in ergodic theory centering around Birkhoff's individual ergodic theorem and its applications. The mapping  $\varphi$  in question is measure preserving, but not necessarily one-to-one. This makes it possible to apply the individual ergodic theorem to the mapping  $\varphi(x) = 2x \pmod{1}$  or to the shift transformation of a "one-sided" infinite direct product measure space, and to obtain the classical result of Borel concerning normal numbers or the strong law of large numbers of Kolmogoroff. Applications of the individual ergodic theorem to the problems of continued fractions are also discussed. Most of the results discussed in this paper can be found in a paper by F. Riesz [Comment. Math. Helv. 17, 221-239 (1945); these Rev. 7, 255] and three papers by C. Ryll-Nardzewski and S. Hartman [see the reviews of these three papers above].

S. Kakutani (New Haven, Conn.).

Source: Mathematical Reviews,

Vol. 15 No. 9

4000

HARTMAN, S

Mathematical Reviews  
Vol. 15 No. 1  
Jan. 1954  
Geometry

Hartman, S. Über die Abstände von Punkten  $n\xi$  auf der Kreisperipherie. Ann. Soc. Polon. Math. 25 (1952), 110-114 (1953).

Let  $\xi$  be an irrational number, and let  $P_1, \dots, P_n$  be points on the circumference of a circle of unit circumference, obtained by proceeding by successive steps of arc-length  $\xi$  from a given point  $P_0$ . Now consider the points  $P_0, P_1, \dots, P_n$  in the order in which they lie on the circumference, and let  $m_n$  be the shortest arc between two neighbouring points and  $M_n$  the longest arc. The author proves that, for almost all  $\xi$ ,

$$\liminf_{n \rightarrow \infty} nm_n = 0, \quad \limsup_{n \rightarrow \infty} nm_n = 1,$$

$$\liminf_{n \rightarrow \infty} nM_n = 1, \quad \limsup_{n \rightarrow \infty} nM_n = \infty,$$

as was conjectured by Steinhaus. The proofs are not difficult, and the results are shown to hold for any  $\xi$  which has unbounded partial quotients in its continued fraction development.

H. Davenport (London).

HARTMAN, S.

Hartman, S. Almost periodic functions. Prace Mat. 1 I. : 1935.  
(1935), 323-343. (Polish; Russian and English summaries)  
Expository paper.

8 May 1923

✓ Hartman, S.; i Mikusiński, J. Teoria miary i całki  
Lebesgue'a. [Theory of measure and Lebesgue integral.]  
Państwowe Wydawnictwo Naukowe, Warsaw, 1957.  
140 pp. zł. 10.

5

This is a brief introduction to the Lebesgue integral such as might be given in slightly over a dozen lectures. Seven little chapters with suitable diagrams deal with the standard material on the line, using an approach suggested by M. Riesz. This is followed by five further short chapters on the classes  $L^p$ , series of orthogonal functions, plane measure, Fubini's theorem and on the definition of the elementary Stieltjes integral. The demand for books of this type appears to the reviewer to be somewhat on a par with that for books entitled 'Calculus made easy'. To the student already weary of mathematical exercises and routines it supplies little of lasting value. To the student ready to enter into a new world of ideas it supplies a meager and commonplace fare. L. C. Young.

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CC

11

RDS  
JMN

*Hartman, S.*

Hartman, S.; und Knapowski, S. Bemerkungen über die Bruchreihen von  $\rho\alpha$ . Ann. Polon. Math. 4 (1957), 285-287.

The authors discuss the solvability of

$$(1) \quad |\alpha - r/q| < B/q^2$$

in (positive) integers  $r, q$ , of which one or both may be required to be prime. Here  $\alpha, B, \delta$  are given positive numbers ( $\alpha$  irrational). In Satz 1 it is proved that, if  $c$  is a (Linnik) constant such that every arithmetical progression  $l+jq$  ( $j=1, 2, \dots$ ;  $0 < l < q$ ;  $(l, q)=1$ ) contains a prime  $p < q^c$ , and if  $\alpha$  is such that (1) has an infinity of integer solutions with  $(r, q)=1$  when  $b=c+1$ ,  $B=1$ , then (1) has an infinity of solutions with  $q$  prime when  $b=1+c-1$ ,  $B=2$ . In Satz 2 the known fact that there exists a prime between  $x$  and  $x+x^{1/6+\epsilon}$  ( $\epsilon$  an arbitrarily small positive number;  $x > x_0(\epsilon)$ ) is made to yield the consequence that (1) has an infinity of solutions with  $r, q$  both prime when  $b=3/8-\epsilon$ ,  $B=1$ . These theorems are elementary deductions from the basic facts about primes. The authors also quote an observation of Jánosk that it

Hartman, S & Kondratenko, S

follows from a theorem of Vinogradov on the distribution  
of the fractional parts of  $p\alpha$  [Trudy Mat. Inst. Steklov.  
23 (1947), p. 177; MR 10, 599; 15, 941] that (\*) has an  
infinity of solutions with  $q$  prime when  $\delta = 6/5 - \epsilon$ ,  $B = 1$ .

A. E. Ingham (Cambridge, England).

JFW

HARTMAN, S., Ryll-Nardzewski, C.

A contribution to the theory of locally compact Abelian groupn. In German.p.157.  
(COLLOQUIUM MATHEMATICUM. Vol. 4, no. 2, 1957, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.  
Uncl.

HARTMAN, S.

Contribution to the theory of the measuring ring with foldings. In German.  
p. 67.

STUDIA MATHEMATICA. (Polska Akademia Nauk) Warszawa, Poland, Vol. 18, no. 1,  
1959.

Monthly List of East European Accessions (EEAI) Vol. 9, no. 1, Jan. 1960.

Uncl.

HARTMAN, Stanislaw

"Linear algebra" by Andrzej Mostowski and Małgorzata Stark. Reviewed  
by Stanisław Hartman. Rocznik matematyczny 5:150-153 '61.

HARTMAN, S. (Wroclaw)

A remark about Cauchy's equation. Col math 8 no.1:77-79 '61. (EEAI 10:5)

1. Mathematical Institute of the Polish Academy of Sciences.

(Aggregates) (Distance geometry)  
(Abelian groups) (Topology)

HARTMAN, S. (Wroclaw)

On interpolation by almost periodic functions. Col math 8 no.1:99-101  
'61. (EEAI 10:5)

(Functions) (Numbers, Theory of) (Interpolation)

HARTMAN, S.; RYLL-NARDZEWSKI, C.

Almost periodic extensions of functions. Col math 12 no.1:23-29  
'64

1. Mathematical Institute, Polish Academy of Sciences, and  
Mathematical Institute, University, Wroclaw.

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617910015-1

9. (b) (7)(D), (E), (F), (G)

Specified application instructions, including test spec no. 1000-163.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617910015-1"

HARTMAN, S. (Wroclaw)

On niveau lines of fast periodic functions. Studia math 20 no.3:  
313-325 '61.

1. Instytut Matematyczny Polskiej Akademii Nauk.

(Functional analysis)

HARTMAN, S.; RYLL-NARDZEWSKI, C. (Wroclaw)

Recognizition of priority. Studia math 21 no.3:375 '62.

HARTMAN, S. (Wroclaw)

The integrals of almost periodic functions and the sections of  
Fourier series. Studia math 22 no.1:147-160 '62.

BARTMAN, S. (Wroclaw)

Some problems in the algebra of Borel measures. Col math 10  
no.1:73-79 '63.

HARTMAN, S.; RYLL-NARDZEWSKI, C.

Almost periodic extensions of functions. *Bil. Ac. Pol. mat.* 11  
no. 7:427-429 '63.

1. Institute of Mathematics, Wroclaw Branch, Polish Academy  
of Sciences. Presented by E. Marczewski.

HARTMAN, C. (Krakow)

Generalized harmonic analysis. Annales Polonici Mathematici no.3:341-352 '65.

1. Institute of Mathematics of the Polish Academy of Sciences.  
Submitted December 31, 1963.

MURKOFF

HARTMANN, Ceza, ENDROCZI, Elemer, LISSAK, Kalman; Medical University of Pecs, Institute of Physiology (Pecsi Orvostudomanyi Egyetem, Elettani Intezet).

"Effect of Hypothalamic Implantation of 17- $\beta$ -Estradiol and Systemic Administration of Prolactin (LTH) on the Sexual Behavior of Male Rabbits."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXX, No 1, 1966, pages 53-59.

Abstract: [English article, authors' English summary modified] When 17- $\beta$ -estradiol was injected into the region of the basal tuberous or median eminence through chronically implanted cannulas, there was a marked decrease in the copulative activity of male rabbits. A similar suppression in copulative activity could be observed when estradiol was implanted in the above mentioned regions. Intramuscular estradiol treatment did not stimulate the action of intrahypothalamic implants. Copulative activity was not influenced by the injection of progesterone or androsterone into the basal tuberous and median eminence region, or of estradiol into other brain regions. The copulative behavior of male rabbits was markedly inhibited by the i.v. administration of prolactin. The inhibitory action of prolactin was not suspended by the i.m. administration of testosterone propionate beforehand. It is assumed that the estradiol effect might be mediated through an increased release of pituitary LTH. All 16 references are Western. [Manuscript received 9 Aug 65.]

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H/016/60/000/011/003/003  
B009/B057

AUTHORS: Jeszenszky, Béla; Hartmann, Ervin

TITLE: Structure of Real Crystals III. Dislocations

PERIODICAL: Fizikai Szemle, 1960, Vol. 10, No. 11, pp. 340-347

TEXT: This is the third part of reports of a working group of the Hungarian Academy of Sciences, assigned to research on crystal growth. The authors of this paper expose the theory of dislocations on the basis of standard text books and other literature and report on their own experiments confirming the theory. Definitions and characteristics of the different kinds of dislocations - marginal or linear (Taylor or Orowan), torsional (Burger) - are given with reference to the more exact treatment of this matter in textbooks of Cottrel and Seeger. For the critical shear stress producing displacement in marginal dislocation, a formula of Peierls is quoted. The shear stress field of torsional dislocation is calculated and demonstrated by the authors micrograph. For the origin of dislocations, several concepts based on crystal growth are presented. On dislocations in plastic deformation, the multiplication

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Structure of Real Crystals III. Dislocations

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mechanism of F. C. Frank and W. Ried is explained. According to this, a great number of dislocations is necessary to produce plastic flow. Methods of detecting dislocations are explained: the decoration (electrolytic) method, etching with chemicals or by thermal evaporation. The electron-microscopic and the X-ray method are not treated in this communication. Regel' and coworkers are credited for tests on almost 50 materials, published in their comprehensive text book (Kristallografiya, Ref. 20). 6 micrographs of the etching tests of the authors and one coworker are presented in Figs. 11-16. Finally, the authors point out the applications of the dislocation theory. Numerous physical characteristics: critical shear stress, yield point, ageing, work hardening, internal friction, endurance strength, creep, brittleness etc. are explicable by dislocation. Dislocations have an important influence on crystal growth according to latest theories of W. Burton, N. Cabrera, F. Frank, and A. Verma (Refs. 27, 28), further on electrical, magnetic, optical and chemical properties of materials. Jogs are active places in connection with plastic deformation. Investigations of the Hungarian Academician Z. Gyulai (Ref. 36) on pressure effect are often referred to. C. Gallagher reported on crystalline solids to the Conference in Bristol (1954, Ref. 38). Dislocations figure large

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Structure of Real Crystals III. Dislocations

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B009/B057

in solid-state physics and have helped to solve problems formerly thought unsolvable. There are 16 figures and 43 references: 7 Soviet, 5 US, 11 British, 5 German, 1 Czech, and 4 Hungarian.

ASSOCIATION: Epítőipari és Közlekedési Műszaki Egyetem Kísérleti Fizikai Tanszék (Technical University for the Construction Industry and Communications, Chair of Applied Physics).  
Kristalynövekedési Akadémiai Kutató Csoport (Working Group of the Academy of Sciences for Research on Crystal Growth)

Card 3/3

S/070/62/007/003/014/026  
E132/E460

AUTHORS: Jeszenszky, B.; Hartmann, E.

TITLE: Certain observations on the growth and mechanical properties of whisker crystals of NaCl

PERIODICAL: Kristallografiya, v.7, no.3, 1962, 433-436 + 1 plate

TEXT: Whisker crystals of NaCl were grown by the methods of S.Amelinskx and C.C.Evans. A saturated solution of NaCl was run into a sheet of cellophane supported on an aluminium frame. The frame was put into a beaker at the bottom of which was a cup of saturated solution. The beaker was covered to make evaporation very slow. Whiskers grew on both sides of the cellophane to a length of 3 cm at a rate of about 5 to 10 mm/day. At the end of each crystal there was usually a thickening. Fine canals were observed to run through the needles. A new method of growing whiskers from a seed is described permitting the preparation of crystals up to 20 cm long. It is shown that whisker crystals are twisted about their lengths with a period of 1/2 to 40 mm. This corresponds to a Buergers vector of 40 to 240 Å. The faces of the whisker crystal were perpendicular to each other and the cross-

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Certain observations on ...

S/070/62/007/003/014/026  
E132/E460

section was often rectangular with a ratio of up to 10:1. When fresh the side faces are smooth but after two weeks standing they become rough and covered with tiny cubic crystallites. Thickened places are often formed where two fibres cross. The maximum twisting of whiskers was noted and it was found that the elastic twisting possible is 10 times greater than that for usual NaCl crystals and corresponds to a maximum stress of 8100 g/mm<sup>2</sup>. Great plasticity in twisting is found at room temperature and may reach 10%. The form of a whisker very greatly bent under its own weight when held by one end was plotted but could not be treated analytically. Acknowledgments are expressed to Professor Z.Gyulai for advice. There are 9 figures.

ASSOCIATION: Budapesht.Politekhnicheskiy institut stroitel'stva i transporta (Budapest Polytechnical Institute for Building and Transport)

SUBMITTED: September 15, 1961

Card 2/2

JESZENSKY, Bela; HARTMANN, Ervin

NaCl acicular crystals grown in spiral column shape. Magy fiz  
folyoir 10 no.3:183-187 '62.

l. EKMUE, Kiserleti Fizikai Intezet, Budapest.

HOLLER, Irvin; MOLNAR, Bela

Acicular crystals. Magy fiz folyoir 11 no.5:411-429.  
'63

1. BMEL, Kiserleti Fizikai Intezet; Kristalynovekedesi  
Akademiai Kutatocsoport.

ENDROCZI, E.; HARTMANN, G.; LISSAK, K.

Effect of intracerebrally administered cholinergic and adrenergic drugs on neocortical and archicortical electrical activity. Acta physiol. acad. sci. Hung. 24 no.2:199-209 '63.

1. Institute of Physiology, Medical University, Pecs.  
(PARASYMPATHOMIMETICS) (BRAIN ELECTROPHYSIOLOGY)  
(ELECTROENCEPHALOGRAPHY) (ACETYLCHOLINE)  
(PHOSSTIGMINE) (EPINEPHRINE)

*Hartmann*  
31 Experiments on the centrifugal casting of steel.  
H. Hartmann, T. K. Ramanujan, G. C. Gandy  
Vol. 6, 1953, No. 10, pp 225-236, 37 figs.

Tests conducted with elementary bodies have proved that the greater the difference between the beginning and the end of crystallization and the greater the force acting on the congealing material, the higher the quality of steel castings. This condition can be attained by the application of centrifugal force. The notion of the *heat step* was conceived during investigations on the process of crystallization. In case of gradually increasing cross sections at an increasing distance from the axis of rotation the material congeals immediately in the first, thinnest section. Congealing takes longer in the second, thicker section and since centrifugal force makes itself felt better, the solid particles forming herein break through toward the third section. Thus the second section "controls" the separation by specific gravity in the third, i.e. by extending this process it makes possible a more perfect co-ordination. Thus tests prove that any casting could be produced by centrifugal casting in good quality if it possessed *heat steps*. Such castings are rings (bowls of rotation), ball bearing races, cylinders, rollers, prisms, etc.

*Sf*

HARTMANN, H.

chem-③

Chemical Abstracts  
Vol. 48 No. 5  
Mar. 10, 1954  
Biological Chemistry

Alkaline hydrolysis of gelatin, Z. Körös and H. Hartmann (Bolyai Univ., Budapest). *Acta Chim. Acad. Sci. Hung.* 3, 267-72 (1953) (in English).—See C.A. 47, 5409k.  
H. L. H.

MF  
7-26-54

HARTMANN HILDEGARD

HUNGARY/Analytical Chemistry - Analysis of Inorganic Substances. E-2

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24783

Author : Schneer Anna, Hartmann Hildegard

Inst : -

Title : Titrimetric Determination of Zirconium.

Orig Pub : Magyar kem. foluoirat, 1957, 63, No 10, 295-296

Abstract : Description of 2 new methods of determining Zr in minerals, which are superior, in sensitivity and selectivity, to the known methods. According to the 1-st method Zr is precipitated from hydrochloric acid solution with mandelic acid (I) or with p-bromomandelic acid (II), the precipitate is dissolved in a saturated solution of  $\text{Na}_2\text{CO}_3$ , I (or II) is oxidized with K-permanganate, to benzoic (or p-bromobenzoic) acid and the excess  $\text{KMnO}_4$  is determined in the usual manner with  $\text{H}_2\text{C}_2\text{O}_4$ . 2-50 mg Zr are determined with an error of  $\pm 1\%$ . The 2-nd method is suitable for determination of less than 2 mg Zr and differs from the 1-st in

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HUNGARY/Analytical Chemistry - Analysis of Inorganic Substances. E-2

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Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24783

that  $\text{Na}_2\text{Cr}_2\text{O}_7$  in lieu of  $\text{KMnO}_4$  is used as oxidizing agent; the oxidation to  $\text{CO}_2$  and  $\text{H}_2\text{O}$  is conducted in concentrated  $\text{H}_2\text{SO}_4$ . Excess of oxidizing agent is determined by titration with a solution of  $\text{FeSO}_4$  in the presence of ferroin as indicator. 1-5 mg Zr are determined with an error from 1 to - 2%; less than 1 mg Zr -- with an error from - 2 to - 5%.

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HARTMANN Hilde

HUNGARY/Analytical Chemistry - Inorganic Analysis.

E

HARTMANN, H.; SCHNEER, A.

Volumetric analysis of zirconium. II. Oxidation of zirconium mandelic acid with chromic acid. p.64

MAGYAR KEMIAI FOLYOIRAT. Budapest, Hungary. Vol. 65, no. 2, Feb. 1959

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959  
Uncl.

SCHNEER, Anna, dr.; HARTMANN, Hilda, dr.

Determination of zirconium by volumetry. I. Permanganometric  
method. Acta chimica Hung 22 no.1:35-49 '60. (EEAI 9:9)

l. Institut fur Allgemeine und Anorganische Chemie der L.Eotvos  
Universitat, Budapest. Vorgelegt von E.Schulek.  
(Zirconium) (Mandelic acid) (Benzoic acid)  
(Potassium permanganate) (Sodium carbonates)

SCHNEER, Anna, dr. (Budapest); HARTMANN, Hilda, dr. (Budapest)

Chromatometric titration of sodium tetraphenylborate. Acta chimica  
Hung 28 no.1/3:271-278 '61. (EEAI 10:9)

l. Institut fur Allgemeine und Anorganische Chemie der L. Eotvos  
Universitat, Budapest.

(Chromates) (Sodium tetraphenylborate)

SCHNEER, Anna; HARTMANN, Hildegard

Chromatometric titration of sodium tetraphenylborate. Magy kem  
folyoir 67 no.7:309-313 J1 '61.

1. Eotvos Lorand Tudomanyegyetem Altalanos es Szervetlen kemial  
Tanszeke, Budapest.

HARTMANN, K.

New technology concerning animal production.

p. 475 (Vestnik) Vol 4 no 9 1957. Praha, Czechoslovakia.

SO: Monthly Index of East European Acquisitions (EEAI) LC, Vol 7 no 1 Jan 1958

HARTMANOVA, Dagmar; CERNY, Jiri

Experiences in the application of polyester varnishes. Drevo  
19 no.3:105-108 Mr<sup>o</sup> 64

1. Ceskoslovenske hudebni nastroje National Enterprise, Hradec  
Kralove.

Chernov, Dzmitrii, Svetlana, Svetlana

Surface treatment of exotic woods by polyester impregnation. Dravo 19  
no. A 141-142. Kp 104.

1. Tekhnicheskaya metodika naftorazvodimogo vysokomolekulyarnogo polimera, izlozhennaya v tom

HARTNER, Laszlo

Representation of the discontinuities in microwave systems with equivalent circuits and the determination of impedance parameters.  
Mares automat 10 no.9:277-282 '62.

1. Tavkozlesi Kutato Intezet tudomanyos munkatarsa.

HARTNER KATHARINE JASS Zsuzsanna, oklevéles bányaügyi mérnök munkatárs

Experimental method for determining the curvature of the meniscus  
of liquid developing in the wetting and at the vertical measuring  
body. Bányi lap 98 no.2:136-142 F '65.

1. Oil Production Research Laboratory of the Hungarian Academy of  
Sciences, Miskolc.

HARTOGENESIS, F.

YUGO .

2774. PURPOSE AND METHOD OF DETERMINING THE DUST CONTENT OF THE AIR IN  
FACTORIES. Hartogensis, F. (Arch. Hyg. Rada (Arch. Hyg. Com.). 1951,  
Vol. 5, 249-259; above: Indust. Hyg. Dig., Oct. 1951, vol. 10, 30).

Factors influencing the choice of methods for dust determination in factories are discussed. Methods chosen for dust determinations in Holland are described in detail, especially the use of the thermal precipitator for determining the number and size of dust particles. Some conclusions concerning the divergence of results obtained by these methods, and the correlation between dust content and occurrence of silicosis are discussed.

HARTOGENSIS, F.

The exposure to lead of workers in the pigment industry. Pracovni lek.  
11 no.3:165 Apr 59.

1. Department of Industrial Air Pollution, Instituut voor Gezondheidstechniek T.N.O., The Hague, Netherlands.

(AIR POLLUTION,

by lead in pigment indust.)

(LEAD POISONING,

exposure to lead in pigment indust.)

(PIGMENTS,

same)

HAKTOVÁ E.

POLAKOVA, Z.; POPELKA, S.; TRUHLAR, P.; HARTOVA, E.; NECHVATALOVA, L.;  
PAUROVA, V.; ZAMOSTNA, M.; KRALIK, V.; LENOCH, F.; HAJKOVA, Z.;  
HNEVKOVSKY, O.; KADLECLOVA, L.

Physical therapy in Bechterew's disease. II. passive exercises.  
Fysiat. vest. Praha 32 no.3:72-86 Apr 54.

1. Z II. kliniky pro ortopedii a detskou chirurgii Karlovy university  
v Praze, prednosta prof. MUDr. O.Hnevkovsky. Z vyskumneho ustavu  
chorob reumaticickych v Praze, reditel prof. MUDr Fr.Lenoch. Z  
fysiatrickeho a balneologiskeho ustavu Karlovy university v Praze,  
prednosta prof. MUDr Fr.Lenoch.

(SPONDYLITIS, ANCYLOSING, therapy

exercise ther.)

(EXERCISE THERAPY

ancylosing spondylitis)

HARTSTEIN, E. ; POPEI CU, E.

Introduction of new assortments in brick factories; technical discussion. p. 3. CONSTRUCTORUL. (Ministerul Constructilor si Industriei Materialelor de Constructii si Uniunea Sindicatelor de Salariati din Intreprinderile de Constructii) Bucuresti. Vol. 7, no. 285, July 1955.

So. East European Accessions List      Vol. 5, No. 9      September, 1956

HARTSTEIN, E.

A few suggestions for improvement of technical and economic factors in  
the brick industry. p. 3. CONSTRUCTORUL. (Ministerul Constructiilor si  
Industriei Materialelor de Constructii si Uniunea Sindicatelor de Salariati din  
Intreprinderile de Constructii) Bucuresti. Vol. 7, no. 295, Sept. 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

37921

S/262/62/000/006/009/021  
I007/I207

*b. 312*  
AUTHOR: Hartwig, Gerhard.

TITLE: Locking key for blades of steam and gas turbines

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk.42. Silovye ustanovki, no.6, 1962, 37, abstract 426191. (Pat.GDR, kl. 14c, ll/04, no.20626, 12.01.61).

TEXT: A patent has been granted for a method of fastening blade roots to the two-disk Curtis-wheel. The disk is provided with two T-shaped ring grooves into which the blades are introduced through a common groove extending along the disk axis and connecting both ring grooves. After the last blade has been fastened, two spacers (distance pieces) are inserted; the locking wedge, intended to press the spacers to the locking key of the blades, is then introduced.

[Abstractor's note: Complete translation.]

Card 1/1

X

HARTWIG, H.

3709

666.815 : 666.031.2 : 666.072.16 : 669.162.275.2 ; 691.6

Hartwig H., Dobrzyńska R., Bodowska H. Possibilities, Revealed by Investigations, of Using Hemi-Hydrate Gypsum in the Building Industry.  
"Możliwość wykorzystania gipsu półwodnego w budownictwie w świetle badań ITB". Materiały Budowlane. No. 9, 1934, pp. 226-235,  
5 figs., 17 tabs.

MN

Hemi-hydrate gypsum must be used not only for finishing work, but also for making mortars, concretes and semi-finished products. Investigations carried out in scientific laboratories have proved the suitability in every respect for these purposes of hemi-hydrate gypsum. Gypsum mortars are suitable for walling during the winter months. Gypsum concrete is the most economic in use when slag is the filler aggregate. Prefabricated gypsum elements can be made quickly with simple technical means, at small investment cost.

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HARTWIG, Helena, mgr.inz.

Application of Keene's cement mortars for plastering.  
Przegl budowl i bud mieszk 35 no.82398-400 Ag'63.

1. Zaklad Murow, Gipsow, i Zapraw, Instytut Techniki Budow-  
lanej, Warszawa.

HARTWIG, Istvan, dr.

"Continuous centrifuges in the Targi-Mares Sugar Factory," by  
Halmagyi, E.Aved. Reviewed by Istvan Hartwig. "Akar" 1964,  
335 D 164.

HARTWIG, Istvan, dr.

Quick determination of filling tanks equipped with horizontal cylinders. Cukor 17 no.4:119-121 Ap '64.

HARTWIT, J.

The production of prefabricated corrugated ferroconcrete slabs 3 centimeters thick.

P. 217 (Inżynieria I Budownictwo. Vol. 13, no. 5, May, 1956, Warszawa, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

HARTWIG, W.

HARTWIG, W., doc. dr

Activities of the Institute for Postgraduate Training and Specialization of Medical Personnel. Zdrowie pub., Warsz. no.3:167-173  
May-June 54.

(EDUCATION, MEDICAL,  
\*in Poland, postgraduate)  
(SPECIALISM,  
\*med., in Poland)

HARTWIG, Walenty

Specialization of physicians. Wiadomosci lek. 7 no.10:552-556  
Oct 54.

(SPECIALISM,  
in Poland)

HARTWIG, Walenty (Warszawa, ul. Widok 18/8)

Physiopathologic considerations on certain procedures. Polski  
tygod. lek. 9 no.31:962-965 2 Aug 54.

1. 2 Instytutu Doskonalenia i Specjalizacji Kadr Lekarskich w  
Warszawie; dyrektor doc. dr med. W.Hartwig.

(VITAMINS,  
pharmacol.)

(HORMONES,  
pharmacol. & physiol.)

(ANTIBIOTICS,  
pharmacol.)

HARTWIG, Walenty

Some syndromes accompanying thyroid diseases; myasthenia,  
persistent thymus, thyroid crisis. Polskie arch. med. wewn.  
26 no.1:67-76 1956.

1. Z I Kliniki Chorob Wewnętrznych A. M. w Warszawie  
Kierownik: prof. dr. nauk med. A. Biernacki Warszawa, ul.  
Widok 18.

(THYROID GLAND, diseases  
compl., myasthenia gravis, persistent thymus, & acute  
hyperthyroidism. (Pol))

(MYASTHENIA GRAVIS, complications  
thyroid dis., persistent thymus, & acute hyperthyroidism.  
(Pol))

(THYMUS, abnormalities  
persistence in adult, with thyroid dis., myasthenia  
gravis, & acute hyperthyroidism. (Pol))

(ABNORMALITIES  
persistent thymus with thyroid dis., myasthenia gravis,  
& acute hyperthyroidism. (Pol))

(HYPERTHYROIDISM  
acute, with thyroid dis., myasthenia gravis, &  
persistent thymus. (Pol))

HARTWIG, W., Prof., Dr.

Activity of the Institute for Postgraduate Studies and  
Specialization of Physicians in Poland. Cesk. zdravot.  
5 no.3:143-146 Mar 57.

1. Reditel Ustavu pro doskoleni a specialisaci lekarskych  
kadru ve Varsave.

(EDUCATION MEDICAL

in Poland, Institution for Postgrad. Studies and  
Specialization (Cz))

(SPECIALISM,  
same)

HARTWIG, Walenty (Warszawa, ul. Marszałkowska 140 m. 144)

ACTH and adrenal hormones. Gruzlica 26 no. 51347-358 May 1958

1. Z Instytutu Doskonalenia i Specjalizacji Kadr. Lekarskich, Warszawa  
(ACTH, physiol.  
relation to adrenal hormones (Pol))  
(ADRENAL CORTEX HORMONES, physiol  
relation to ACTH (Pol))

EXCERPTA MEDICA Sec 2 Vol 12/2 Physiology Feb 59

769. PHYSIOPATHOLOGY OF THE CAPILLARIES - Fizjopatologia kapilarów -  
Hartwig W. Inst. Doskonalenia i Spec. Kadr Lek., Warszawa - POL.  
ARCH. MED. WEWNĘT. 1958, 28/4 (585-590) Illus. 6

Recent discoveries in anatomy, physiology and pathology of capillaries are presented. Their role in the water-electrolyte metabolism is emphasized. (II, 6\*)

HARTWIG, Walenty; WAPIORKOWSKA, Wanda

Treatment of hyperthyroidism by potassium perchlorate. Polski tygod.  
lek. 14 no.42:1857-1861 19 Oct 59.

l. (Z I Zakladu Chorob Wewnetrznych Studium Doskonalenia Lekarzy A. M.  
i z Oddzialu Chorob Wewnetrznych Instytutu Gruzlicy w Warszawie;  
kierownik: prof. dr med. W. Hartwig)  
(HYPERTHYROIDISM, ther.) (POTASSIUM, ther.)  
(PERCHLORIC ACIDS, ther.)

Wrocław, 1974, 4 kwietnia, 1974 r.

Inhibition of fibrinolytic activity in thrombocytopenic patients during  
the 4-hour NIH test, vol. zwg. lek. 19 no. 10: 342-356, 1 gr '64.

J. G. i Witki Chorob Hematologicznych Stowarz. im. Rekarty  
Archiwum Medyczne w Warszawie (kierownik: prof. dr med. J. Hartwig).

HARTWIG, Walenty; STUŁARKA, Anna

Correct evaluation of bacteruria. Pol. arch. med. wetnet. 34  
no.98171-1196 '64

1. Z I Kliniki Chorób Wewnętrznych Studium Doskonalenia Lekarzy  
(Kierownika prof. dr. med. W.Hartwig) oraz Pracowni Mikrobiologii  
Instytutu Gruźlicy (Kierownika doc. dr. med. M. Buraczewska).

HARTWIG, Walenty (Warszawa, Marszałkowska 140 m. 144)

Etiopathogenesis of pancreatic diseases. Polskie arch. med. wewn. 39  
no.1:101-110 1959.

1. Z Instytutu Doskonalenia i Specjalizacji Kadr Lekarskich. Dyrektor:  
prof. dr med. W. Hartwig.  
(PANCREAS, dis.  
etiol. & pathogen., review (Pol))

HARTWIG, Walenty

Tumor of the pancreas complicated by diabetes with variable  
reaction to insulin. Polski tygod.lek. 15 no.18:679-683 2 My '60.

l. Z I Zakladu Chorob Wewnetrznych Studium Doskonalenia Lekarzy  
i Oddzialu Chorob Wewnetrznych Instytutu Gruzlicy; kierownik: prof.

dr. med. W. Hartwig.

(PANCREAS neopl.)

(DIABETES MELLITUS etiol.)

HARTWIG, Walenty; RAFALOWICZ, Adam; GOROWSKI, Tadeusz

A case of multiple glandular disorders similar to Schmidt's syndrome.  
Endokr. pol. 12 no.5:523-530 '61.

I. I Klinika Chorob Wewnętrznych Studium Doskonalenia Lekarzy AM  
w Warszawie Oddział Chorob Wewnętrznych im. A.Landau Instytutu  
Gruźlicy w Warszawie Kierownik: prof. dr W.Hartwig.  
(ENDOCRINOLOGY)

CHOMICKI, Oskar; CZECH, Włodzimierz; GASIOROWSKI, Wiktor; GORSKI, Tadeusz;  
HARTWIG, Walenty

Results of the 24-hour thyroid iodine uptake test (T-24) in normal  
subjects and in patients with thyroid diseases. Polski tygod. lek.  
16 no.25:945-948 19 Je '61.

1. Z Osrodk Radioizotopowego Studium Doskonalenia Lekarszy w A.M.  
w Warszawie; kierownik: prof. dr med. Walenty Hartwig.

(THYROID GLAND metab) (IODINE metab)

HARTWIG, Walenty; RUDOWSKI, Witold; SZYMANSKA, Danuta

Sjogren's syndrome with paraproteinemia. Polski tygod. lek. 16  
no.47:1820-1825 20 N '61.

l. Z I Kliniki Chorob Wewnętrznych Studium Doskonalenia Lekarzy,  
z Instytutu Onkologii w Warszawie i z Zakładu Patologii Instytutu  
Gruźlicy w Warszawie.  
(SJOGLREN'S SYNDROME blood) (BLOOD PROTEINS)

GOROWSKI, Tadeusz; HARTWIG, Walenty

Pseudo-thyroid hypo-metabolism. Polskie arch. med. wewn. 31 no.6:  
883-888 '61.

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w Warszawie oraz z Oddzialu Chorob Wewnetrznych im. A. Landaua, Instytutu  
Gruzlicy Kierownik: prof. dr med. W. Hartwig.

(METABOLIC DISEASES diag)

HARTWIG, Walenty, CHODKOWSKA, Stefania; MASSALSKI, Wandalin; JEZIERSKI, Kazimierz; WOLANSKA, Aniela

Hashimoto's struma with dysproteinemia and antithyroid precipitins.  
Polskie arch. med. wewn. 31 no.7:1917-1923 '61.

1. Z I Katedry Chor. wewn. Studium Dosk. Lek. AM w Warszawie Kierownik:  
prof. dr med. W. Hartwig Z Zakladu Anatomii Patologicznej I. G. Kierownik:  
prof. dr med. S. Chodkowska Z Oddzialu Chirurgicznego I. G. Kierownik:  
prof. dr med. L. Manteuffel i z Pracowni Analytycznej I. G. Kierownik:  
dr med. A. Wolanska.

(THYROIDITIS blood) (BLOOD PROTEINS)

HARTWIG, Walenty

Physiopathology of respiratory insufficiency. Polskie arch. med. wewn.  
31 no.9:1161-1184 '61.

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w Warszawie Kierownik prof. dr med. W. Hartwig.

(RESPIRATORY SYSTEM dis)

HARTWIG, Walenty

Notes on postgraduate education of internists. Pol. tyg. lek. 17 no. 40:  
1566-1567 10 '62.

(INTERNAL MEDICINE) (EDUCATION MEDICAL POSTGRADUATE)

HARTWIG, Walenty; GASIOROWSKI, Wiktor; KOZIOROWSKI, Antoni

Attempted therapy of chronic respiratory insufficiency with radioactive iodine (I-131). Preliminary communication. Pol. arch. med. wewnetr. 32 no.6:549-554 '62.

1. Z I Kliniki Chorob Wewnetrznych Studium Doskonalenia Lekarzy AM w Warszawie i z Osrodka Radioizotopowego SDL Kierownik: prof. dr med. W. Hartwig.

(IODINE radioactive) (RESPIRATORY SYSTEM dis)

HARTWIG, Walenty; MIGDALSKA, Barbara; Współpraca techniczna: OLESINSKA,  
Jadwiga; MALINOWSKA, Zofia

Studies on the pituitary reserve in producing ACTH. Endokr.pol.  
14 no.5:389-407 '63.

1. Klinika Chorob Wewnętrznych Studium Doskonalenia Lekarzy w  
A.M. w Warszawie. Kierownik: prof. dr.W. Hartwig

HARTWIG, Walenty; MIGDALSKA, Barbara; ZGLICZINSKI, Stefan.

Pituitary reserve in primary hypothyroidism. Pol. tyg. lek.  
18 no.47:1756-1759 18 N°63.

1. Z I Kliniki Chorob Wewnetrznych Studium Doskonalenia Le-  
karzy w AM w Warszawie; kierownik: prof.dr. W.Hartwig.

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HARTWIG, Walenty

The adreno-pituitary axis. Klin. oczna 33 no. 3/4:289-294  
'63.

1. Z I Kliniki Chorob Wewnętrznych SDL w AM w Warszawie  
Kierownik: prof. dr med. W. Hartwig.  
(PITUITARY GLAND, ANTERIOR) (ADRENAL CORTEX)  
(PHYSIOLOGY)

HARTWIG, Walenty; NIELUBOWICZ, Jan

Bilateral adrenalectomy in Cushing's disease and syndrome.  
Polski przegl. chir. 35 no.9:997-999 '63.

1. Z I Kliniki Chorob Wewnętrznych SDL w Warszawie (kierownik: prof.dr. W.Hartwig) i z I Kliniki Chirurgicznej AM w Warszawie.(kierownik: prof. dr. J.Nielubowicz).

Hartwig, Walenty; Masiakski, Wanda in

Therapeutic management of bilateral hypertrophy of the adrenal cortex (a frequent form of Cushing's disease). Pol. tyg. lek. 18 no.52:1969-1973 23 D '63.

1. Z I Katedry Chorob Wewnętrznych Studium Doskonalenia Lekarzy w Warszawie (kierownik: prof. dr med. W. Hartwig).

HARTWIG, Walenty; MIGALSKA, Barbara

Effect of water test in the diagnosis of adrenocortical insufficiency. Pol. tyg. lek. 19 no.11:382-385 9 Mr '64.

1. Z I Kliniki Chorob Wewnętrznych Studium Doskonalenia Lekarzy Akademii Medycznej w Warszawie (kierownik: prof. dr med. Walenty Hartwig).

HARTWIG, Walenty; RUDOWSKI, Witold

Studies on Mikulicz' disease and Sjogren's syndrome. Pol.  
arch.med.wewnet. 34 no.3:343-350 '64

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HARTWIG, Halenty

Scientific and clinical works with radioactive isotopes at the  
I Department of Internal Medicine of the School of Higher  
Medical Education. Vol. arch. med. wetek. 3, no. 3, 7-11 '67.

1. Z Zakladu Izotopow i Katedry Chorob Lekarskich Wydziału  
Doskonalenia Lekarzy Akademii Medycznej w Warszawie (kierownik  
prof. dr. W.Hartwig).

HARTWIG, W.

Thyroid gland and the circulatory system. Pol. endo. med. wemnet.  
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...and the following information is available:

Registration number and name of continuing education course  
of the Institute of Medicine in Warsaw. Name of the course:  
Lectures on...

J. P. Krasinski and others (Institute of Medicine, Warsaw) -  
lectures on... doc. dr. med. J. Krasinski, prof. dr. med.  
prof. J. Krasinski.

HARTYAN, Istvan

Innovation movement in the sugar industry. Cukoripar 15  
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HARTYAN, Istvan

Achievements of the month of innovations in the sugar industry.  
Cukor 15 no.9:276-277 S '62.

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EGLE, Laszlo; HARTYANYI, Istvan

Application of plastic materials on railway vehicles. Jarmu mezo gep  
6 no.6:173-177 '59.

HARTYANYI, L.

Effect of irrigation on the groundwater level. p.326.  
(Hidrologiai Kozlony, Vol. 36, No. 5, Oct. 1956, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

*P. A. V. S.*  
NEDVIDEK, Jiri; BOSCHETTY, Viktor; HARUDOVA, Ludmila

Epidemiology & clinical picture of tick-borne encephalitis in a natural focus of infection in the region of Moravska Ostrava. Cesk. epidem. mikrob. imun. 7 no.1:9-14 Jan 58.

1. KHM v Ostrave, reditel Dr J. Verne. Inf. odd. KUNZ v Ostrave, prednosta prim. Dr A Venclova. J. N., Ostrava, Na belidle 5,  
(ENCEPHALITIS, EPIDEMIC, epidemiol.  
tick-borne, in Czech. (Cz))

SABLINSKA, Bozena; DOROCIAK, Roman; HARUPPA, Jerzy; JENTYS, Wanda; PIATKOWSKI,  
Zbigniew; RUSTOWSKI, Jerzy

The results of the treatment of cancer of the cervix, uteri during  
the years 1954 and 1955. Nowotwory 12 no.3:247-250 '62.

l. Z Oddzialu Onkologii Ginekologicznej Instytutu Onkologii w  
Warszawie Kierownik: doc. dr med. L. Tarlowska Dyrektor: prof. dr  
med. W. Jasinski.

(CERVIX NEOPLASMS)

HARUSTAK, V.

"Replacing wood shuttering by steel tissue." p. 157.

STAVBA. (Poverenictvo stavebnictva). Bratislava, Czechoslovakia,  
Vol. 6, No. 5, May 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,  
August 1959.  
Unclu.

HAFUTER, Vladimír, etc.

Technology of compacting crushed tanks and slopes under the water level in Czechoslovakia and abroad. Československý 12 no. 6, 247-249 Brno '64.

1. Hydroprejekt, Bratislava.

HARVALIK, C.

Czechoslovakia

Geographie und ihre Aufgaben am Katheter fuer Kartographic (tschech.)S. 40

SO: Vermessungs Technik, Nov 1955, Uncl.

HARVALIK, C.

Czechoslovakia

Geographische Elemente der Karte in der Sowjetkartographie (tschech.)S. 46-52

SO: Vermessungs Technik, Nov 1955, Uncl.

HOLY LIP, C.

The tasks of geography in developing map drawing. p. 63. GEODNEPICKY  
A KARTOUR. SPC V GEMI. (Ustredni spravni vedeckie a kartografie)  
Praha. Vol. 2, no. 4, Apr. 1956.

SOURCE: East European Accessions List, (EEAL), Library of Congress  
Vol. 5, no. 12, December 1956.

CZECHOSLOVAKIA

HARVALIK, C., Dozent Dr.

Technical College (Technische Hochschule), Prague.

Berlin, Vermessungstechnik, Vol XI, No 7, JUL 1963, pp  
265-270.

"New Method for Manufacturing Plastic Maps."

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HARVALIK, Genek, doc., dr.

Problem of making plastic maps on spherical surfaces. Sbor  
zem 68 no.2:149-158 '63.

1. Matedra mapovani a kartografie, Stavebni fakulta, Ceske  
vysoke uzeni technicke, Praha 1, Husova 5.

ACCESSION NR: AP4034670

Z/0048/64/000/009/0295/0295

AUTHOR: Harvan, Vlastimil

TITLE: The Solc solar filter

SOURCE: Veda a technika mládeži, no. 9, 1964, 295

TOPIC TAGS: optics, solar filter, monochromator, interference filter, double refraction, IQSY

ABSTRACT: The author discusses a double-refraction solar filter invented by Ivan Solc, of Turnov, for which a Czechoslovak patent (number not stated) has been granted. The Soviet Union ordered a complete series of 14 double-refraction filters in 1963, of which ten were completely new designs. This Czech invention will assist science in the International Years of the Quiet Sun and will find wide application in industry and elsewhere. Orig. art. has: 3 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 15May64

ENCL: 00

SUB CODE: PH, AS

NO REF SOV: 000

OTHER: 000

Card 1/1

PRINTED IN U.S.A.

Blueprint of a seven-floor prefabricated apartment house made of type  
B1 concrete panels. p. 429. POZEMNÍ TISKY. (Ministerstvo stavebnictví)  
Praha. Vol. 3, no. 11, Nov. 1955.

SOURCE: East European Acquisitions List, Vol. 5, no. 1, September 1956

HARVANCIK, Jozef, doc. inz. dr.

"Treatise on elasticity and strength" by [prof. inz. dr.] Jan  
Duchacek. Pt.2. Reviewed by Jozef Harvancik. Inz starby 13  
no.4:184 Ap '65.